

FILE 'HOME' ENTERED AT 10:44:15 ON 01 MAR 2007

FILE 'CASREACT' ENTERED AT 10:44:33 ON 01 MAR 2007
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FILE CONTENT:1840 - 25 Feb 2007 VOL 146 ISS 9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

*
* CASREACT now has more than 12 million reactions
*

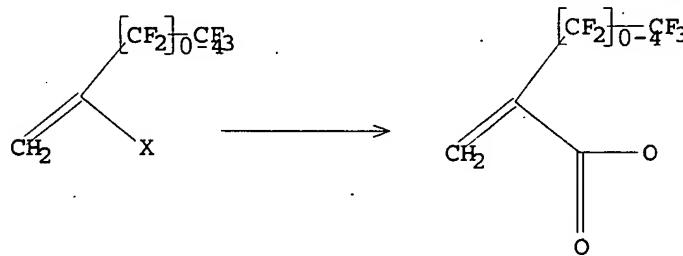
Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
Uploading C:\Program Files\Stnexp\Queries\10550387.str

L1 STRUCTURE UPLOADED

=> d.
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> S 11
SAMPLE SEARCH INITIATED 10:44:58 FILE 'CASREACT'
SCREENING COMPLETE - 18 REACTIONS TO VERIFY FROM 3 DOCUMENTS

100.0% DONE 18 VERIFIED 0 HIT RXNS 0 DOCS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 106 TO 614

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1 (0 REACTIONS)

=> s 11 ful

FULL SEARCH INITIATED 10:45:05 FILE 'CASREACT'

SCREENING COMPLETE - 294 REACTIONS TO VERIFY FROM

49 DOCUMENTS

100.0% DONE 294 VERIFIED 9 HIT RXNS

8 DOCS

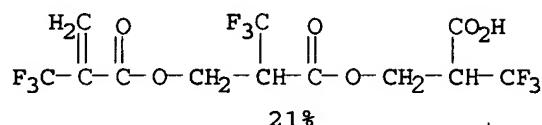
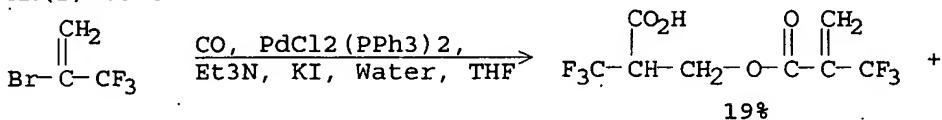
SEARCH TIME: 00.00.01

L3 8 SEA SSS FUL L1 (9 REACTIONS)

=> d l3 1-8

L3 ANSWER 1 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(2) OF 3



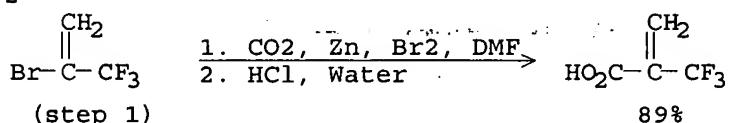
REF: Jpn. Kokai Tokkyo Koho, 2003261512, 19 Sep 2003

NOTE: alternative prepn. shown

CON: 8 hours, 70 - 75 deg C, 0.9 - 1 MPa

L3 ANSWER 2 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

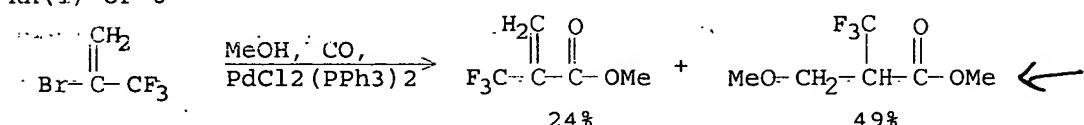
RX(1) OF 2



REF: Jpn. Kokai Tokkyo Koho, 2001288138, 16 Oct 2001

L3 ANSWER 3 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(1) OF 6

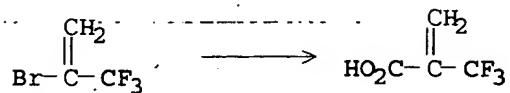


REF: Journal of Molecular Catalysis A: Chemical, 143(1-3), 287-295;
1999

NOTE: ANALOGUE ALCOHOLS HAVE SIMILAR REACTOION

L3 ANSWER 4 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(7) OF 7



81%

REF: Toso Kenkyu Hokoku, 34(1), 17-24; 1990

L3 ANSWER 5 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

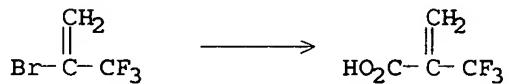
RX(1) OF 5



REF: Jpn. Kokai Tokkyo Koho, 60161947, 23 Aug 1985, Showa

L3 ANSWER 6 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

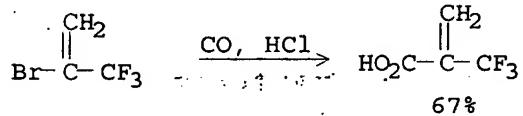
RX(2) OF 3



REF: Jpn. Kokai Tokkyo Koho, 60019771, 31 Jan 1985, Showa

L3 ANSWER 7 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(2) OF 15



67%

REF: Synthesis, (9), 766-8; 1984

L3 ANSWER 8 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(5) OF 31



REF: Eur. Pat. Appl., 103436, 21 Mar 1984

=>

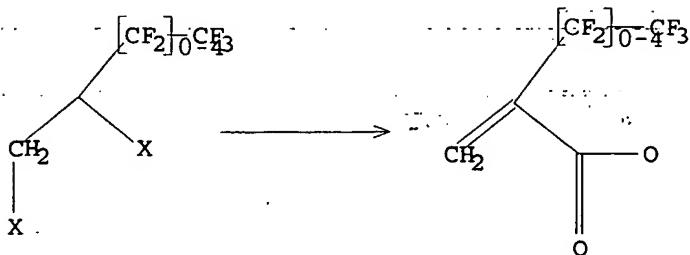
Uploading C:\Program Files\Stnexp\Queries\0550387.str

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 14

SAMPLE SEARCH INITIATED 10:48:11 FILE 'CASREACT'
SCREENING COMPLETE - 638 REACTIONS TO VERIFY FROM 100 DOCUMENTS

100.0% DONE 638 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 11246 TO 14274

PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4 (0 REACTIONS)

=> s 14 ful

FULL SEARCH INITIATED 10:48:28 FILE 'CASREACT'
SCREENING COMPLETE - 17115 REACTIONS TO VERIFY FROM 2099 DOCUMENTS

100.0% DONE 17115 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.03

L6 0 SEA SSS FUL L4 (0 REACTIONS)

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAJYC1621

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 10:28:18 ON 01 MAR 2007

FILE 'REGISTRY' ENTERED AT 10:28:33 ON 01 MAR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 FEB 2007 HIGHEST RN 923894-67-1
DICTIONARY FILE UPDATES: 28 FEB 2007 HIGHEST RN 923894-67-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/reqprops.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10550387.str

L1 STRUCTURE UPLOADED

```
=> d 11  
L1 HAS NO ANSWERS  
L1 STR  
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
```

Structure attributes must be viewed using STN Express query preparation.

FILE 'CASREACT' ENTERED AT 10:29:25 ON 01 MAR 2007
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FILE CONTENT:1840 - 25 Feb 2007 VOL 146 ISS 9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

```
*****  
*  
*      CASREACT now has more than 12 million reactions  
*  
*****
```

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=>  
Uploading C:\Program Files\Stnexp\Queries\10550387.str
```

L2 STRUCTURE UPLOADED

```
=> d 12  
L2 HAS NO ANSWERS  
L2          STR  
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
```

Structure attributes must be viewed using STN Express query preparation.

```
=> s 12  
SAMPLE SEARCH INITIATED 10:29:57 FILE 'CASREACT'  
SCREENING COMPLETE -          0 REACTIONS TO VERIFY FROM      0 DOCUMENTS  
100.0% DONE      0 VERIFIED      0 HIT RXNS      0 DOCS  
SEARCH TIME: 00.00.01
```

```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**  
                      BATCH   **COMPLETE**  
PROJECTED VERIFICATIONS:    0 TO      0  
PROJECTED ANSWERS:         0 TO      0
```

L3 0 SEA SSS SAM L2 (0 REACTIONS)

```
=> s 12 sss full  
FULL SEARCH INITIATED 10:30:19 FILE 'CASREACT'  
SCREENING COMPLETE -          0 REACTIONS TO VERIFY FROM      0 DOCUMENTS  
100.0% DONE      0 VERIFIED      0 HIT RXNS      0 DOCS  
SEARCH TIME: 00.00.05
```

L4 0 SEA SSS FUL L2 (0 REACTIONS)

```
=> d scan
```

L4 HAS NO ANSWERS

=>
Uploading C:\Program Files\Stnexp\Queries\10550387-a.str

L5 STRUCTURE UPLOADED

=> d 15
L5 HAS NO ANSWERS
L5 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s 15
SAMPLE SEARCH INITIATED 10:32:34 FILE 'CASREACT'
SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS
100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED VERIFICATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

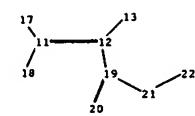
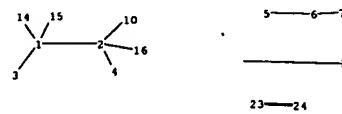
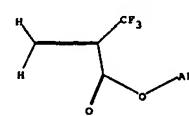
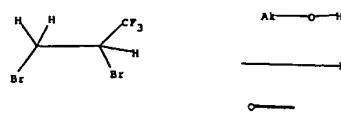
L6 0 SEA SSS SAM L5 (0 REACTIONS)

=> s 15 full
FULL SEARCH INITIATED 10:32:45 FILE 'CASREACT'
SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS
100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

L7 0 SEA SSS FUL L5 (0 REACTIONS)

=> d scan
L7 HAS NO ANSWERS

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF



chain nodes :
 1 2 3 4 5 6 7 10 11 12 13 14 15 16 17 18 19 20 21 22 23
 24

chain bonds :
 1-2 1-3 1-14 1-15 2-4 2-10 2-16 5-6 6-7 11-12 11-17 11-18 12-13
 12-19 19-20 19-21 21-22 23-24

exact/norm bonds :
 5-6 19-20 19-21 21-22 23-24

exact bonds :
 1-2 1-3 1-14 1-15 2-4 2-10 2-16 6-7 11-12 11-17 11-18 12-13
 12-19

Match level :
 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 10:CLASS
 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS

fragments assigned product role:

containing 11

fragments assigned reactant/reagent role:

containing 1

containing 5

containing 23



```

chain nodes :
  1   2   3   4   5   6   7   8   9   10  11  12  13  14  15  16  17
chain bonds :
  1-2   1-3   1-9   1-10  2-4   2-5   2-11  6-7   6-12  6-13  7-8   7-14  14-15
  14-16  16-17
exact/norm bonds :
  14-15  14-16  16-17
exact bonds :
  1-2   1-3   1-9   1-10  2-4   2-5   2-11  6-7   6-12  6-13  7-8   7-14

Match level :
  1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS
  9:CLASS  10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS
  16:CLASS 17:CLASS
fragments assigned product role:
  containing 6
fragments assigned reactant/reagent role:
  containing 1

```



EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	207235	"acrylic acid ester" or "acrylic acid"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:35
L2	2	I1 and perfluoroalkylethene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:36
L3	807	I1 and alcohol and palladium and catalyst and "carbon monoxide" and base	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:38
L4	584	I3 and inorganic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:38
L5	119	I3 and "inorganic base"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:38
L6	316	I3 and fluorine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:38
L7	67	I5 and fluorine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:39
L8	607	(560/227).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/03/01 14:39

EAST Search History

L9	669	(560/226).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/03/01 14:40
L10	124	(562/520).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/03/01 14:40
L11	1299	I8 or I9 or I10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:40
L12	1	I11 and I7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:40
L13	1428	I11 and I6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:40
L14	1	I11 and I6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:41
L15	4	I11 and I3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:41
L16	106	I11 and I1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:41

EAST Search History

S1	2	("4855487").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/01 14:35
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